

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK2004/000617

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01J2/04 B01D1/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B01J B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 085 847 A (KURTZ WILLIAM L ET AL) 4 February 1992 (1992-02-04) column 3, line 56 - column 4, line 55; figure 2	1-31
Y	PATENT ABSTRACTS OF JAPAN vol. 0050, no. 79 (C-056), 23 May 1981 (1981-05-23). & JP 56 026501 A (CHUO KAKOKI KK), 14 March 1981 (1981-03-14) abstract	8,9,12, 13,20,28
Y	DE 33 18 652 A (FRAUNHOFER GES FORSCHUNG) 22 November 1984 (1984-11-22) figures 3,4	8,9,28
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

7 January 2005

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25/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 2 088 274 A (NL INDUSTRIES INC) 9 June 1982 (1982-06-09) the whole document	8,9,28
A	US 4 490 403 A (KRAM JENS ET AL) 25 December 1984 (1984-12-25) column 8, lines 13-28; figure	1-31
A	US 4 871 489 A (KETCHAM THOMAS D) 3 October 1989 (1989-10-03) cited in the application the whole document	

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/DK2004/000617

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 5085847	A 04-02-1992	AU	632581 B2	07-01-1993
		AU	5658190 A	18-12-1990
		BR	9007371 A	03-03-1992
		CA	2053857 A1	19-11-1990
		CN	1047265 A ,B	28-11-1990
		DE	69020348 D1	27-07-1995
		DE	69020348 T2	08-02-1996
		EP	0473644 A1	11-03-1992
		ES	2075207 T3	01-10-1995
		JP	2637283 B2	06-08-1997
		JP	5500039 T	14-01-1993
		KR	9707940 B1	19-05-1997
		MX	164339 B	04-08-1992
		WO	9014143 A1	29-11-1990
		US	5149398 A	22-09-1992
JP 56026501	A 14-03-1981	NONE		
DE 3318652	A 22-11-1984	DE	3318652 A1	22-11-1984
GB 2088274	A 09-06-1982	BE	890897 A1	15-02-1982
		DE	3142795 A1	08-07-1982
		NO	813647 A	30-04-1982
US 4490403	A 25-12-1984	DK	267082 A	15-12-1983
		DE	3366653 D1	13-11-1986
		EP	0097484 A1	04-01-1984
US 4871489	A 03-10-1989	AT	78714 T	15-08-1992
		CA	1322639 C	05-10-1993
		DE	3780771 D1	03-09-1992
		DE	3780771 T2	04-03-1993
		EP	0269215 A1	01-06-1988
		JP	2627905 B2	09-07-1997
		JP	63158154 A	01-07-1988
		NO	874187 A	08-04-1988

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